

SECRET

OUT60231

P 272052Z OCT 66

FM NPIC WASHDC

TO AIG 975

BT

S E C R E T

CITE NPIC 8895.

(TEXT WHICH FOLLOWED WAS IDENTICAL TO GLASS LAMP IPIR, MISSION G-920)

S E C R E T

-END OF MESSAGE-

28 OCT 1966

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25X1

~~PREFACE~~

~~THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-920, 25 OCT 66. THE NUMBER AT THE RIGHT MARGIN OF THE HEADER LINE IS THE COMOR TARGET NUMBER.~~

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON PHOTOGRAPHY ARE AS FOLLOWS--
 C @CLEAR#, SC @SCATTERED CLOUD COVER#, HC @HEAVY CLOUD COVER#,
 H @HAZE#, CS @CLOUD SHADOW#, SD @SEMIDARKNESS#, GC
 @GROUND COVER#, CE @CAMOUFLAGED#, O @OBLIQUITY#, AND
 GR @GROUND RESOLUTION#.

INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS
 G @GOOD#, F @FAIR#, OR P @POOR#. THE EXTENT OF
 TARGET COVERAGE IS DENOTED BY THE SYMBOLS T @TOTAL#
 OR PT @PARTIAL#. THE MODE OF COVERAGE IS SIGNIFIED
 BY ST @STEREON#, NS @NONSTEREON#, OR PS @PARTIAL STEREON#.

AAA DEFENSES ARE DIVIDED INTO THREE BASIC CATEGORIES --
 LIGHT @ZPU-2, ZPU-4, AND 37MM#, MEDIUM @57MM AND 85MM#, AND HEAVY
 @100MM AND LARGER#. WHERE SUCH A CATEGORY CANNOT BE DETERMINED,
 THE SITE WILL BE LISTED AS AN AAA SITE AND THE NUMBER OF GUNS
 INDICATED @EXAMPLE 6-GUN AAA SITE, OCCUPIED/UNOCCUPIED#.

MISSILES

CIFUENTES SAM ASSEMBLY AREA CU 2236N 08005W
 FACILITIES CONSIST OF AT LEAST 8 SUPPORT BUILDINGS AND
 2 REVERTED FUEL STORAGE AREAS.

OB -- 9 MISSILE TRANSPORTERS, AT LEAST 60 MISSILE
 CANISTERS, 12 PROBABLE TRUCK TRACTORS, 1 CARGO TRUCK,
 AND 4 VAN TRAILERS.

ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.

25X1

HOLGUIN SAM SITE B27-2 CU 2052N 07627W

OB -- 6 EMPLACED LAUNCHERS @3 WITH MISSILES#, 9 MISSILE
 TRANSPORTERS @6 WITH EXPOSED MISSILES#, AND A CENTRAL
 GUIDANCE RADAR WITH ASSOCIATED EQUIPMENT.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

HOLGUIN AIRFIELD SAM SITE CU 2046N 07619W

OB -- 6 EMPLACED LAUNCHERS @4 WITH MISSILES#, 8 MISSILE
 TRANSPORTERS @5 CANVAS COVERED#, AND AN OCCUPIED
 CENTRAL GUIDANCE AREA.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

SANTA CLARA SAM SITE A34-2 CU 2229N 08000W

PERMANENT SITE REMAINS UNDER CONSTRUCTION.

OB @AT ADJACENT TEMPORARY SITE# -- 6 EMPLACED LAUNCHERS
 @AT LEAST 1 WITH MISSILES#, AT LEAST 12 MISSILE
 TRANSPORTERS @1 WITH EXPOSED MISSILES#, AN OCCUPIED
 CENTRAL GUIDANCE AREA, 8 PROBABLE TRUCK TRACTORS, AT
 LEAST 3 OTHER VEHICLES, AND 3 VAN TRAILERS.

ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

SANTIAGO DE CUBA SAM SITE A23-2 CU 1959N 07550W

OB -- 6 EMPLACED LAUNCHERS @3 WITH MISSILES#, 10
 MISSILE TRANSPORTERS @AT LEAST 4 WITH EXPOSED
 MISSILES#, A FAN SONG RADAR WITH SHED-COVERED
 EQUIPMENT, AND 5 OTHER VEHICLES.

ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

SANTIAGO DE CUBA SAM ASSEMBLY AREA CU 2004N 07553W

OB -- 8 MISSILE TRANSPORTERS, AT LEAST 60 MISSILE
 CANISTERS, 4 FLATBED TRACTOR-TRAILER TRUCKS, AND 11
 CARGO TR

25X1

SANTIAGO SAM TRAINING AREA CU 1958N 07551W
OB -- 23 VAN TRUCKS AND 10 OTHER VEHICLES. FOUR
PROBABLE VAN TRUCKS OBSERVED IN VEHICLE PARK 1,200
YARDS NE.

NO APPARENT CHANGE IN FACILITIES.

25X1

SANTA ISABEL DE LAS LAJAS SAM SITE A35-2 CU 2228N 08018W
OB -- 6 EMPLACED LAUNCHERS @AT LEAST 2 WITH MISSILES, 12
MISSILE TRANSPORTERS, AND AN OCCUPIED CENTRAL
GUIDANCE REVEITEMT.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

PALMA SORIANO SAM SITE A02-2 CU 2015N 07559W
OB -- 6 EMPLACED LAUNCHERS @2 WITH MISSILES, 7 MISSILE
TRANSPORTERS @4 WITH EXPOSED MISSILES, A FAN SONG
RADAR WITH 6 ASSOCIATED VAN TRAILERS, 1 CARGO TRUCK,
AND 1 TRUCK-MOUNTED CRANE.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE. SIX OTHER AAA
PIECES OBSERVED ADJACENT TO SUPPORT BUILDINGS.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

CONSTANCIA SAM SITE A10-2 CU 2214N 08030W
OB -- 6 EMPLACED LAUNCHERS, AT LEAST 10 MISSILE
TRANSPORTERS, AN OCCUPIED CENTRAL GUIDANCE AREA, AND AT
LEAST 10 OTHER VEHICLES.
CLOUD SHADOW LIMITS INTERPRETATION.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

SAN PEDRO DE CACOCUM SAM SITE 1 CU 2047N 07615W
OB -- 5 EMPLACED LAUNCHERS @4 WITH MISSILES, 6 MISSILE
TRANSPORTERS @3 WITH EXPOSED MISSILES, AND A CENTRAL
GUIDANCE RADAR WITH ASSOCIATED EQUIPMENT.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

SAN PEDRO DE CACOCUM SAM SITE 2 CU 2045N 07615W
LAUNCH FACILITIES REMAIN UNDER CONSTRUCTION. EIGHT
SUPPORT BUILDINGS ARE NOW COMPLETED.
OB -- NONE.

25X1

AIR FACILITIES

CAMILO CIENFUEGOS AIRFIELD CU 2229N 07956W
OB -- 19 FAGOT/FRESCO, 1 CRATE, AND 3 HOUND.
ACTIVITY -- 10 PROBABLE MIG 17 SHIPPING CRATES AND 5
SMALLER CRATES @PROBABLE COMPONENT PARTS.

25X1

CAMAGUEY INTERNATIONAL AIRFIELD CU 2125N 07750W
OB -- 1 C-46, 1 MEDIUM STRAIGHT-WING, AND 19 HOUND.

25X1

HOLGUIN AIRFIELD CU 2047N 07618W
OB -- 10 FAGOT/FRESCO, 1 LIAISON, AND 1 HOUND.

25X1

ANTONIO MACEO AIRFIELD CU 1958N 07550W
OB -- 1 CRATE, 2 LIAISON, AND 1 HOUND.

25X1

CORONEL PASCUAL AIRFIELD CU 2307N 08117W
OB -- 1 MEDIUM STRAIGHT-WING.
OBLIQUITY LIMITS INTERPRETATION.

25X1

JAIME GONZALES AIRFIELD CU 2209N 08024W
OB -- 1 COOT WITHOUT OUTER WING PANELS.

25X1

BAYAMO AIRFIELD EAST CU 2022N 07637W
OB -- NONE OBSERVED.

25X1

25X1

NAVAL ACTIVITY/PORTS

CIENFUEGOS NAVAL BASE CU 2208N 08027W
OB -- 2 KRONSHIADT-CLASS PC AND 6 P-6-CLASS PT OBSERVED
IN CLOUD-FREE AREAS.
OTHER VESSELS -- 2 LARGE FREIGHTERS.

25X1

SANTIAGO DE CUBA NAVAL BASE AND PORT CU 2001N 07550W
OB -- NONE OBSERVED.
OTHER VESSELS -- 4 LARGE FREIGHTERS, 1 COASTAL
FREIGHTER, AND 1 LARGE TANKER.

25X1

MANZANILLO PORT CU 2021N 07707W
VESSELS -- NONE OBSERVED.

25X1

LA ISABELA PORT CU 2256N 08000W
VESSELS -- NONE OBSERVED.

25X1

CAIBARIEN PORT CU 2231N 07928W
VESSELS -- NONE OBSERVED.

25X1

CARDENAS PORT CU 2302N 08111W
VESSELS -- NONE OBSERVED.

25X1

CASILDA PORT CU 2145N 07959W
VESSELS -- NONE OBSERVED.

25X1

ELECTRONICS/COMMUNICATIONS

SANTIAGO DE CUBA EW/GCI RADAR SITE CU 1959N 07551W
OB -- NONE.
ACTIVITY -- 16 TRACKED PRIME MOVERS, 26 CARGO TRUCKS,
AND 7 VAN TRUCKS.

25X1

SANTIAGO DE CUBA EW/GCI RADAR SITE 2 CU 2005N 07551W
OB -- 1 BAR LOCK AND 1 POSSIBLE FLAT FACE RADAR.

25X1

CABO CRUZ LOW SIEVE RADAR SITE CU 1950N 07743W
OB -- 1 LOW SIEVE RADAR.

25X1

MILITARY ACTIVITY

ALTO CEDRO MILITARY CAMP CU 2029N 07600W
OB -- 24 PROBABLE TANKS/SP GUNS, 15 PROBABLE BTR 60-P,
57 PROBABLE FA PIECES, 6 AAA PIECES/MORTARS, 164
PROBABLE CARGO TRUCKS, AND 57 OTHER VEHICLES/PIECES OF
EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1

DOS CAMINOS MILITARY CAMP CU 2014N 07547W
OB -- 43 PROBABLE FA PIECES AND 65 VEHICLES/PIECES OF
EQUIPMENT.
OBLIQUITY LIMITS INTERPRETATION.
NO APPARENT CHANGE IN FACILITIES.

25X1

CAMAGUEY MILITARY CAMP CU 2126N 07753W
OB -- NONE OBSERVED.
NO APPARENT CHANGE IN FACILITIES.

25X1

CORRALILLO MILITARY AREA CU 2301N 08038W
OB -- 1 TANK/SP GUN, 11 CARGO TRUCKS, AND 2 UTILITY
TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1

OB -- 14 TANKS/SP GUNS, 16 CARGO TRUCKS, AND 10 OTHER
VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1

JURAGUA MILITARY ACTIVITY CU 2209N 08035W
OB -- 11 PROBABLE FA PIECES.
NO APPARENT CHANGE IN FACILITIES.

25X1

LA QUINTA MILITARY CAMP CU 2002N 07551W
OB -- 15 FA PIECES/MORTARS AND 27 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1

SANTA CLARA ARTILLERY TRAINING AREA CU 2222N 08000W
OB -- 19 CARGO TRUCKS OBSERVED IN CLOUD-FREE AREAS.
NO APPARENT CHANGE IN FACILITIES.

25X1

16 SANTIAGO DE CUBA MILITARY CAMP NW CU 2003N 07554W
OB -- 11 FA PIECES, 18 CARGO TRUCKS, AND 13 UTILITY
TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1

SANTIAGO DE CUBA MILITARY CAMP CU 2003N 07553W
OB -- 25 FA PIECES, 27 AAA PIECES, 22 MORTARS, 80 CARGO
TRUCKS, AND 24 UTILITY TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1

LAS MERCEDES VEHICLE PARK CU 2224N 08001W
OB -- 9 AAA PIECES, 71 CARGO TRUCKS, 4 UTILITY TRUCKS,
27 OTHER VEHICLES, 4 CARGO TRAILERS, AND 13 OTHER
VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1

LA CHARCA MILITARY ACTIVITY CU 2246N 08036W
CONSTRUCTION CONTINUES ON BUILDINGS AND ARCH-ROOFED
BUNKERS.
OB @MAIN CAMP -- 46 FA PIECES, 6 AAA PIECES, 12
MORTARS, 119 CARGO TRUCKS, 16 UTILITY TRUCKS, AND 8
OTHER VEHICLES/PIECES OF EQUIPMENT.
ACTIVITY -- 2 OCCUPIED 6-GUN AAA SITES.
OB @CAMP 2.0 NM SOUTH -- 14 TANKS/SP GUNS AND 9 CARGO
TRUCKS.

25X1

CIENFUEGOS MILITARY ACTIVITY CU 2209N 08027W
OB -- 14 FA PIECES AND 15 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1

CONDADO PROBABLE MILITARY INSTALLATION CU 2152N 07951W
OB -- 12 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1

2 PURIAL DE JIBACOA MILITARY CAMP CU 2007N 07700W
OB -- 2 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1

CIENFUEGOS LANDING BEACH CU 2202N 08036W
NO NEW MILITARY ACTIVITY OBSERVED.

25X1

MAR VERDE LANDING BEACH CU 1957N 07556W
FIRING RANGE AND SUPPORT BUILDINGS REMAIN UNDER
CONSTRUCTION. TWO TANKS/SP GUNS OBSERVED ADJACENT TO
FIRING RANGE.

25X1

ENSENADA COLORADO LANDING BEACH CU 2202N 08025W
NO MILITARY ACTIVITY OBSERVED.

25X1

THE FOLLOWING TARGETS COULD BE IDENTIFIED BUT NOT INTERPRETED--

CAIBARIEN AIRFIELD	223	07928W
SANTA CLARA EW/GCI RADAR SITE	2229N	07956W
VARADERO LOW SIEVE RADAR SITE	2311N	08108W
LA SOCAPA LOW SIEVE RADAR SITE	1958N	07552W
JURAGUA U/I CONSTRUCTION ACTIVITY	2206N	08033W
GANUZA LANDING BEACH	2305N	08030W
PENINSULA DE HICACOS LANDING BEACH	2311N	08130W
LA VEGUITA SAM ASSEMBLY AREA	2049N	07615W
LA MAYA SAM SITE	2014N	07540W
HOLGUIN EW/GCI RADAR SITE	2048N	07618W
RANCHO LUNA LOW SIEVE RADAR SITE	2202N	08025W
SAN MIGUEL EW/GCI RADAR SITE	2229N	07953W
HOLGUIN MILITARY CAMP	2053N	07613W
HOLGUIN MILITARY CAMP NW	2057N	07616W
REMEDIOS MILITARY AREA	2227N	07935W
ANTON RECIO MILITARY INSTALLATION	2211N	08036W
EL CRISTO MILITARY INSTALLATION	2010N	07547W
SANTA CLARA MILITARY ACTIVITY	2220N	07957W
SIBONEY LANDING BEACH	1957N	07542W

GP-1